



Atty Dkt 9000-0030.10
PATENT

671 1643

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4/28/99
Date

Patricia K. Comer
Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

JIANG et al.

Serial No.: 09/234,733

Group Art Unit: 1643

Filing Date: January 21, 1999

Examiner: Unassigned

Title: CAMP FACTOR OF *STREPTOCOCCUS UBERIS*

TRANSMITTAL LETTER

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is an Information Disclosure Statement and a Form PTO-1449. It is believed that no fee is due.

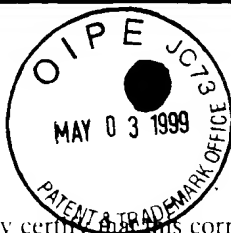
The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 which may be required by this paper, or to credit any overpayment, to Deposit Account No. 18-1648.

Respectfully submitted,

Date: 4/28/99

By: Roberta L. Robins
Roberta L. Robins
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**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The information listed below may be material to the examination of the above-identified application. A completed Form PTO-1449 listing the references identified below accompanies this paper.

All references are of record, or have been submitted in related application serial number 08/658,277 from which the present application claims priority under 35 U.S.C. §120. Thus, pursuant to C.F.R. §1.98(d), copies of the references are not included.

European Publication No. 0 626 452 A1, published November :

Bernheimer et al., "Nature and Mechanism of Action of the CAMP Protein of Group B Streptococci," *Infection and Immunity* 23(3):838-844 (1979);

Fehrenbach et al., "Interaction of Amphiphilic Bacterial Polypeptides With Artificial Membranes," *Bacterial Protein Tokins*, pp. 317-324 (1984);

Fehrenbach et al., "Role of CAMP-Factor (Protein B) for Virulence," (Eds.) *Bacterial Protein Toxins, Zbl. Bakt. Suppl.* 17:351-357 (1988);

Figura et al., "Differentiation of Motile and Mesophilic *Aeromonas* Strains Into Species by Testing for a CAMP-Like Factor," *J. Clin. Microbiol.* 25(7):1341-1342 (1987);

Fraser, Gordon, "Bacteriology: Haemolytic Activity of *Corynebacterium*," *Nature* 189:246 (1961);

Frey et al., "Cloning and Expression of a Cohemolysin, the CAMP Factor of *Actinobacillus Pleuropneumoniae*," *Infection & Immunity* 57(7):2050-2056 (1989);

Jiang et al., "Cloning, Sequencing and Expression of the CAMP Factor Gene of *Streptococcus uberis*," 20:297-307 (1996);

Jürgens et al., "Purification and Characterization of Camp-Factor From *Streptococcus Agalactiae* by Hydrophobic Interaction Chromatography and Chromatofocusing," *Journal of Chromatography*, 348:363-370 (1985);

Jürgens et al., "Unspecific Binding of Group B Streptococcal Cocytolysin (CAMP Factor) to Immunoglobulins and its Possible Role in Pathogenicity," *J. Exp. Med.* 165:720-732 (1987);

Kohler, W., "CAMP-Like Phenomena of Vibrios," *Zentralbl. Bakteriologie, Mikrobiol. Hyg. Ser. A* 270:35-40 (1988);

Rocourt et al., "Notes: *Listeria Welshimeri* Sp. Nov. and *Listeria Seeligeri* Sp. Nov.," *International. J. Syst. Bacteriol.*, 33(4):866-869 (1983);

Röhlmann et al., "Complete Amino Acid Sequence of Protein B," *Fed. of Europ. Biochem. Soc.* 235 (1,2):262-266 (1988);

Streptococcus, *Actinobacillus Pleuropneumoniae*, *Streptococcus Agalactiae*, *Streptococcus* (1988)



Atty. Dkt.: 9000-0030.10

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Skalka et al., "Lethal Effect of CAMP-Factor and UBERIS-Factor-a New Finding About Diffusible Exosubstances of *Streptococcus agalactiae* and *Streptococcus uberis*," *Zentralbl. Bakteriол. Ser. A* 249:190-194 (1981);

Sterzik et al., "Interaction of the Camp-Factor From *S.agalactiae* With Artificial Membranes," *Bacterial Protein Toxins*, pp.195-196 (1984); and

Sterzik et al., "Structure and Function of CAMP Factor of *Streptococcus agalactiae*," *Zentralbl. Bakteriол. Mikrobiol. Hyg. Abt. I* 15:101-108 (1985).

This Information Disclosure Statement under 37 CFR § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

The Office is hereby authorized to charge any additional fees which may be required by this paper, or to credit any overpayment, to our Deposit Account No. 18-0580.

Respectfully submitted,

By: 

Roberta L. Robins

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MAILED 05/05/99 18:25